

ABSTRACT OF THE DISCLOSURE

An optical unit for an aircraft warning light comprising an array of LEDs, the unit comprising a transparent plastics molded body having first and second opposing faces and being provided with optical means on its first and optionally also its second face to propagate fractions of light emitted from the LEDs in selected directions in accordance with a predetermined angular distribution. The optical means may, for example, take the form of discrete convex lenses, cylindrical aspherical lenses, prisms or total internal reflection structures and combinations thereof selected according to the emission requirements for the warning light. The optical unit will therefore differ depending on whether it is for use on a navigation light or an anti-collision light and will generally be spaced at a predetermined, fixed distance from the LED array.

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